



ENVIRONMENTAL TECHNOLOGY

SWM™ & SWP™



FEATURES BENEFITS

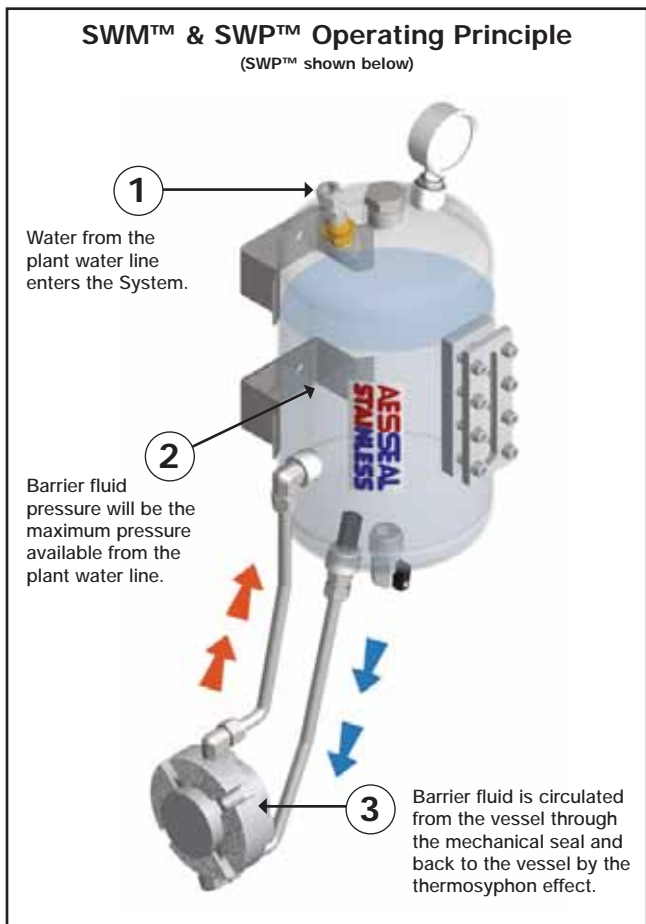
- | | |
|----------------------------------|---|
| 304 SS VESSEL CONSTRUCTION | • SUITABLE FOR A RANGE OF CHALLENGING ENVIRONMENTS |
| NON-RETURN VALVE | • PROTECTS PLANT WATER SUPPLY FROM CONTAMINATION, AND MAINTAINS VESSEL PRESSURE IN THE EVENT OF SUPPLY INTERRUPTION |
| WELD PAD LEVEL GAUGE (SWP™ ONLY) | • ROBUST AND INDUSTRIALLY ACCEPTABLE VISUAL INDICATION OF FLUID LEVEL |





The AESSEAL® SWM™ (System Water Management) and SWP™ (System Weld Pad) vessels are lower cost alternatives to the SW Range of Water Management Systems. Both the SWM™ and SWP™ utilize the pressure available from the plant water line to pressurize the barrier fluid inside the vessel. This provides a pressurized barrier fluid that maintains a stable fluid film across the seal faces. The non-return valve protects the plant water line from process contamination and also maintains the maximum pressure from the plant water line. All vessels are designed and manufactured in accordance with ASME VIII Div.1 and certified by TÜV to cover PED requirements.

SPECIFICATIONS



Standard Offering

Vessel:

- Construction: 304 Stainless Steel
- Pressure Limit: 16 bar / 230 psi
- Temperature Limit: 100°C / 212°F
- Capacity: 10 liters / 2.64 gal (US)
- Connections: 1/2" NPT for seal feed and return hoses*
- Finish: White Powder Coat (SWM only) and Satin Bead Blast (SWP only)
- Designed to: ASME VIII Div.1 and certified by TÜV to cover PED requirements

Weld Pad Level Gauge (SWP only):

- Construction: 316 Stainless Steel
- Gaskets: PTFE
- Pressure limit: 16 bar / 230 psi
- Temperature limit: 100°C / 212°F

Included Components (SWM™ & SWP™):

- Non-Return Valve: Nickel Plated Brass
- Pressure Gauge: Brass
- Ball Valve (Drain): Nickel Plated Brass

SWM & SWP Optional Extras:

- Pressure Gauge: SS option
- Cooling Coil
- Finned Tubing
- Pressure Switch: Explosion Proof and Intrinsically Safe options
- Level Switch: Explosion Proof and Intrinsically Safe options
- 3-Way Valve: Brass/SS options
- In-line filter
- Pressure Regulator
- Flow Indicator



* All finished SWP™ systems come complete with twin furrel compression type SS Fittings.

BARRIER & BUFFER FLUID SYSTEMS FOR USE WITH DOUBLE MECHANICAL SEALS

AESSEAL® supplies an extensive range of barrier and buffer fluid systems for use with double mechanical seals. Wherever possible AESSEAL® prefers to supply both the seal and the system. In addition the company will suggest suitable barrier or buffer fluids for most applications, based on extensive field experience.

AESSEAL® accepts no responsibility for any problems associated with system design, installation, operation, or the use of an unsuitable barrier or buffer fluid, where the fluid, seal or any part of the system have not been specified and/or supplied by AESSEAL®

THIS DOCUMENT IS DESIGNED TO PROVIDE DIMENSIONAL INFORMATION AND AN INDICATION OF AVAILABILITY. FOR FURTHER INFORMATION AND SAFE OPERATING LIMITS CONTACT OUR TECHNICAL SPECIALISTS AT THE LOCATIONS BELOW.



INVESTOR IN PEOPLE



THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2004 & 2006

USE DOUBLE MECHANICAL SEALS WITH HAZARDOUS PRODUCTS. ALWAYS TAKE SAFETY PRECAUTIONS:

- GUARD YOUR EQUIPMENT
- WEAR PROTECTIVE CLOTHING



WARNING

UK Sales & Technical advice:

AESSEAL plc
Mill Close
Templeborough
Rotherham
S60 1BZ
United Kingdom

Telephone: +44 (0) 1709 369966
Fax: +44 (0) 1709 720788
E-mail: seals@aesseal.com
Internet: http://www.aesseal.com

Distributed by:

Our Purpose: *'To give our customers such exceptional service that they need never consider alternative sources of supply.'*

USA Sales & Technical advice:

AESSEAL Inc.
10231 Cogdill Road
Suite 105
Knoxville, TN 37932
USA

Telephone: +1 865 531 0192
Fax: +1 865 531 0571
E-mail: usa@aesseal.com

Systems Sales & Technical advice:

AESSEAL (MCK) Ltd.
139A Hillsborough Old Road
Lisburn
N.Ireland
BT27 5QE

Telephone: +44 (0) 28 9266 9966
Fax: +44 (0) 28 9266 9977
Tel/Fax Hotline: +44 (0) 28 9266 9988
E-mail: MCK@aesseal.com

ALL SIZES ARE SUBJECT TO MANUFACTURING TOLERANCES. WE RESERVE THE RIGHT TO MODIFY SPECIFICATIONS AT ANY TIME.